For research purposes only, not for human use

Product Data Sheet

Anti-PRC1 Antibody

Catalog #	Source	Reactivity	Applications
CQA2176	Rabbit	H, M, R	WB, IH, IF/IC

Description	Rabbit polyclonal antibody to PRC1
Immunogen	Recombinant full length protein of human PRC1
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of PRC1 protein.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/2000), IH (1/50 - 1/200), IF/IC (1/50 - 1/200)
Gene Symbol	PRC1
Alternative Names	Protein regulator of cytokinesis 1
Entrez Gene	9055 (Human); 233406 (Mouse)
SwissProt	O43663 (Human); Q99K43 (Mouse)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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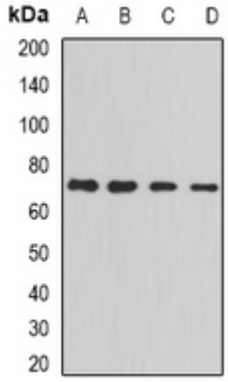
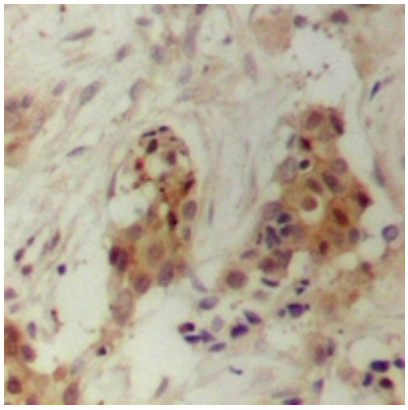
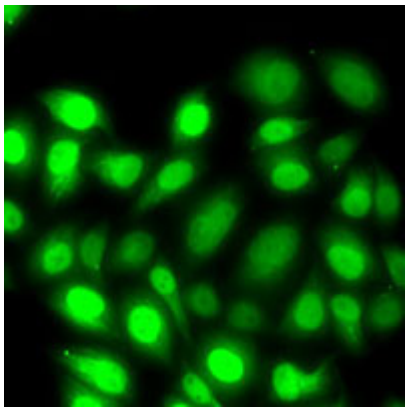


Western blot analysis of PRC1 expression in MCF7 (A), Jurkat (B), Hela (C), HepG2 (D) whole cell lysates. (Predicted band size: 61; 66; 70; 71 kD; Observed band size: 72 kD)



Immunohistochemical analysis of PRC1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of PRC1 staining in MCF7 cells . Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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